

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A heat exchanger (1) equipped with several tray-shaped plates (~~2a to 2z~~) which are placed on top of one another, are sealed together on their peripheral edges and are provided with passages (4), where passages (4) lying essentially above one another form a continuous flow channel (~~6a to 6d~~) that traverses the plates (~~2a to 2z~~), and where flow channels (~~6a to 6d~~) lying adjacent to one another are traversed by different media (~~M1, M2~~) from an admission side to a discharge side, the respective flow channel (~~6a to 6d~~) having an elongate cross section (QS).
2. (Currently amended) The heat exchanger as claimed in claim 1, in which the respective flow channel (~~6a to 6d~~) has an oval or rectangular cross section (QS).
3. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims~~ claim 1, in which different, in particular adjacent flow channels (~~6a to 6d~~) have different cross-sectional shapes.
4. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims~~ claim 1, in which the elongate cross section of a flow channel has a length L and a width B, and there is a length to width ratio L/B of between 1.5 and 12, preferably between 1.5 and 6, particularly preferably between 1.5 and 3 or between 4 and 6.
5. (Currently amended) ~~Use of the~~ A heat exchanger (1) as claimed in ~~one of the preceding claims as claimed 1, comprising~~ a stacked-plate cooler for a vehicle.
6. (Currently amended) A ~~plate~~ (~~2a to 2z~~) ~~for~~ a heat exchanger (1) as claimed in ~~one of the preceding claims, with~~ claim 1, wherein the individual plates comprise passages (4) which have an essentially elongate cross section (QS).

7. (Currently amended) The plate heat exchanger as claimed in claim 6, in which the passages ~~(4)~~ have a rectangular or oval cross section (~~QS~~).
8. (Currently amended) The plate heat exchanger as claimed in ~~either of claims 6 and 7~~ claim 6, in which different, ~~in particular adjacent~~ passages have different cross-sectional shapes.
9. (Currently amended) The plate heat exchanger as claimed in ~~one of claims 6 through 8~~ claim 6, in which the elongate cross section of a passage has a length L and a width B, and there is a length to width ratio L/B of between 1.5 and 12, preferably between 1.5 and 6, particularly preferably between 1.5 and 3 or between 4 and 6.
10. (New) The heat exchanger as claimed in claim 8, wherein said different passages comprise adjacent passages
11. (New) A plate for use in a heat exchanger according to claim 1, comprising a plate having a plurality of passages, with two adjacent passages comprising parts of separate flow passages in the heat exchanger that are traversed by different media, and wherein the adjacent flow passages have an elongate cross-section.
12. (New) The heat exchanger as claimed in claim 7, in which the passages have a rectangular or oval cross section.
13. (New) The heat exchanger as claimed in claim 7, in which the elongate cross section of a passage has a length L and a width B, and there is a length to width ratio L/B of between 1.5 and 12, preferably between 1.5 and 6, particularly preferably between 1.5 and 3 or between 4 and 6.
9. (New) The heat exchanger as claimed in claim 8 in which the elongate cross section of a passage has a length L and a width B, and there is a length to width ratio L/B of

between 1.5 and 12, preferably between 1.5 and 6, particularly preferably between 1.5 and 3 or between 4 and 6.